

self locking nuts



General Industry



Wind-mill



Automotive Industry



Rail



Aero-space



Agricultural machines



Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 9108624624

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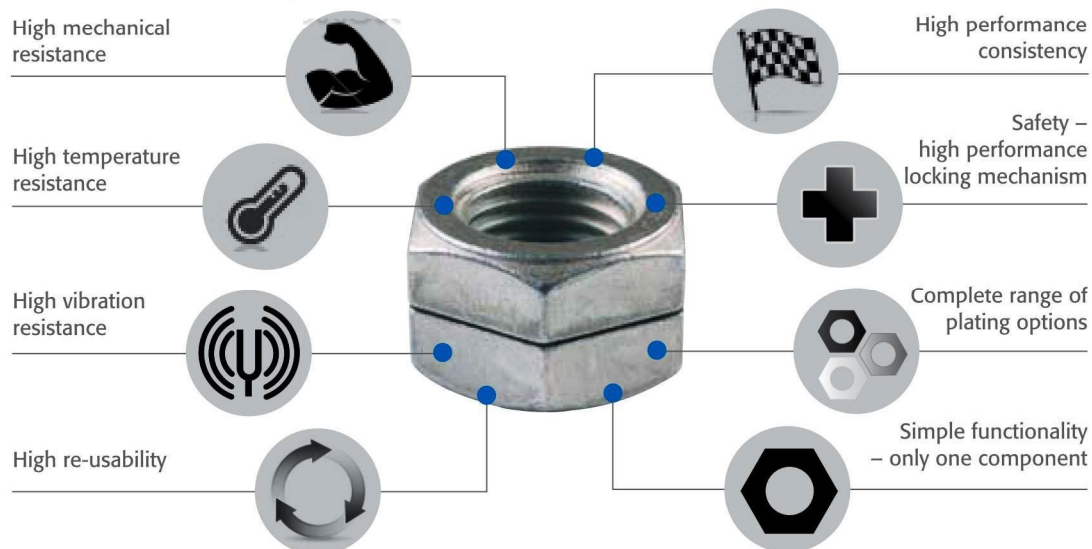


self locking nuts

The SNEP self locking nut

The original single slotted self-locking nut developed in 1954 is still available today alongside a wider range of self-locking nuts including the double slotted nut. Despite major advances in technology, the single-slotted self locking nut still outperforms its rivals in performance – sometimes simplicity is better. SNEP slotted nuts combine both extreme strength with re-usability so you can rely on it time and time again.

SNEP slotted nuts offer the following features and benefits:



Principle mechanical function:

The self-locking function is obtained by an axial deformed slot.

The metal above the slot is set to de-pitch the threads so that when the nut is tightened on to a bolt, the thread is gripped on the flank.



self locking nuts

ESN - H100

- Single locking slot – simple but incredibly effective
- Reversible: Locking slot at 1/2 nut height
- Re-usable up to 5 times with minimal performance loss (ISO2320)
- Class 6 & 8
- Suitable for automatic installation



ESN - H130

- Single locking slot – simple but incredibly effective
- Locking slot at 2/3 nut height
- Re-usable up to 5 times with minimal performance loss (ISO2320)
- Class 6, 8 & 10
- Made to ISO 7042 standard
- CF 00-040 European rail standard certified



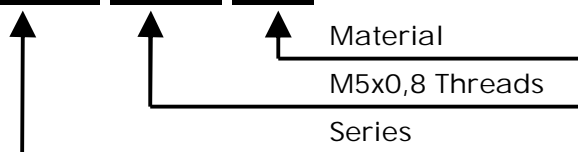
The international Standard ISO 2320 determine functional properties for nuts with clamping parts. They are tested in an ambient temperature range of +10°C to +35°C. It contains a single test to determination of the clamping characteristics (functional properties) and/ or the torque-/ preload force characteristics. The Norm applies to all-metal nuts with clamping parts in the temperature range of -50°C to +150°C.

Materials and coatings:

Steel grades 5.8	(zinc plated CrVI-free passivated)	R60
Steel grades 8.8	(zinc plated CrVI-free passivated)	R80
Stainless steel V2A	(Rm=700N/mm ²) (against stainless steel grub)	2A-70
Stainless steel V4A	(Rm=800N/mm ²) (against stainless steel grub)	4A-80

Ordering example:

Art.no. ESNH100 M5X80 R80Z



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self locking nuts

ESN H100/ Stainless steel V2A (against stainless steel grub)

Single slot- at 1/2 nut height

Threads	Article no.	Dimensions	
		Height	SW
M4	ESNH100M4X70A2	4	7
M5	ESNH100M5X80A2	5	8
M6	ESNH100M6X100A2	6	10
M8	ESNH100M8X125A2	8	13
M10	ESNH100M10X150A2	10	16
M12	ESNH100M12X175A2	12	18
M14	ESNH100M14X200A2	14	21
M16	ESNH100M16X200A2	16	24
M18	ESNH100M18X250A2	18	27
M20	ESNH100M20X250A2	20	30
M22	ESNH100M22X250A2	22	34
M24	ESNH100M24X300A2	24	36
M27	ESNH100M27X300A2	27	41



ESN H100/ Stainless steel V4A (against stainless steel grub)

Single slot- at 1/2 nut height

Gewinde	Artikel Nr.	Abmessungen	
		Höhe	SW
M4	ESNH100M4X70A4	4	7
M5	ESNH100M5X80A4	5	8
M6	ESNH100M6X100A4	6	10
M8	ESNH100M8X125A4	8	13
M10	ESNH100M10X150A4	10	16
M12	ESNH100M12X175A4	12	18
M14	ESNH100M14X200A4	14	21
M16	ESNH100M16X200A4	16	24
M18	ESNH100M18X250A4	18	27
M20	ESNH100M20X250A4	20	30
M22	ESNH100M22X250A4	22	34
M24	ESNH100M24X300A4	24	36
M27	ESNH100M27X300A4	27	41





self locking nuts

ESN H100/ R60 (zinc plated CrVI-free passivated)

Single slot- at 1/2 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH100M5X80R60Z	5	8
M6	ESNH100M6X100R60	6	10
M8	ESNH100M8X125R60	8	13
M10	ESNH100M10X150R6	10	16
M12	ESNH100M12X175R6	12	18
M14	ESNH100M14X200R6	14	21
M16	ESNH100M16X200R6	16	24
M18	ESNH100M18X250R6	18	27
M20	ESNH100M20X250R6	20	30
M22	ESNH100M22X250R6	22	34
M24	ESNH100M24X300R6	24	36
M27	ESNH100M27X300R6	27	41



ESN H100/ R80 (zinc plated CrVI-free passivated)

Single slot- at 1/2 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH100M5X80R80Z	5	8
M6	ESNH100M6X100R80	6	10
M8	ESNH100M8X125R80	8	13
M10	ESNH100M10X150R8	10	16
M12	ESNH100M12X175R8	12	18
M14	ESNH100M14X200R8	14	21
M16	ESNH100M16X200R8	16	24
M18	ESNH100M18X250R8	18	27
M20	ESNH100M20X250R8	20	30
M22	ESNH100M22X250R8	22	34
M24	ESNH100M24X300R8	24	36
M27	ESNH100M27X300R8	27	41





self locking nuts

ESN H130/ Stainless steel V2A (against stainless steel grub)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M4	ESNH130M4X70A2	5,2	7
M5	ESNH130M5X80A2	6,5	8
M6	ESNH130M6X100A2	7,8	10
M8	ESNH130M8X125A2	10,4	13
M10	ESNH130M10X150A2	13	16
M12	ESNH130M12X175A2	15,6	18
M14	ESNH130M14X200A2	18,2	21
M16	ESNH130M16X200A2	20,8	24
M18	ESNH130M18X250A2	23,4	27
M20	ESNH130M20X250A2	26	30
M22	ESNH130M22X250A2	28,6	34
M24	ESNH130M24X300A2	31,2	36
M27	ESNH130M27X300A2	35,1	41



Special sizes (M30-M80) on request.

ESN H130/ Stainless steel V4A (against stainless steel grub)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M4	ESNH130M4X70A4	5,2	7
M5	ESNH130M5X80A4	6,5	8
M6	ESNH130M6X100A4	7,8	10
M8	ESNH130M8X125A4	10,4	13
M10	ESNH130M10X150A4	13	16
M12	ESNH130M12X175A4	15,6	18
M14	ESNH130M14X200A4	18,2	21
M16	ESNH130M16X200A4	20,8	24
M18	ESNH130M18X250A4	23,4	27
M20	ESNH130M20X250A4	26	30
M22	ESNH130M22X250A4	28,6	34
M24	ESNH130M24X300A4	31,2	36
M27	ESNH130M27X300A4	35,1	41





self locking nuts

ESN H130/ R60 (zinc plated CrVI-free passivated)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH130M5X80R60Z	6,5	8
M6	ESNH130M6X100R60	7,8	10
M8	ESNH130M8X125R60	10,4	13
M10	ESNH130M10X150R6	13	16
M12	ESNH130M12X175R6	15,6	18
M14	ESNH130M14X200R6	18,2	21
M16	ESNH130M16X200R6	20,8	24
M18	ESNH130M18X250R6	23,4	27
M20	ESNH130M20X250R6	26	30
M22	ESNH130M22X250R6	28,6	34
M24	ESNH130M24X300R6	31,2	36
M27	ESNH130M27X300R6	35,1	41



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ESN H130/ R80 (zinc plated CrVI-free passivated)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH130M5X80R80Z	6,5	8
M6	ESNH130M6X100R80	7,8	10
M8	ESNH130M8X125R80	10,4	13
M10	ESNH130M10X150R8	13	16
M12	ESNH130M12X175R8	15,6	18
M14	ESNH130M14X200R8	18,2	21
M16	ESNH130M16X200R8	20,8	24
M18	ESNH130M18X250R8	23,4	27
M20	ESNH130M20X250R8	26	30
M22	ESNH130M22X250R8	28,6	34
M24	ESNH130M24X300R8	31,2	36
M27	ESNH130M27X300R8	35,1	41



Special sizes (M30-M80) on request.



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HoKon

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SONDERKONSTRUKTIONEN



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